

## DESCRIPTIONS OF NEW AUSTRALIAN MICRO-LEPIDOPTERA.

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[Read October 12, 1916.]

## TORTRICINA.

## PHALONIADAE.

## HELIOCOSMA ARGYROLEUCA, n. sp.

♂, 18 mm. Head, palpi, antennae, and thorax white, antennae tinged with ochreous, sometimes wholly ochreous. Abdomen grey-whitish. Legs greyish, anterior and middle pair infuscated. Forewings triangular, costa slightly arched towards apex; dull shining-white; markings fuscous; an oblique transverse narrow fascia, from above dorsum beyond middle to below costa at about two-thirds, edged posteriorly throughout with silvery-white, and anteriorly with pale ochreous; a narrow subcostal streak parallel and anterior to first streak; all veins towards termen finely outlined in silvery-white, the interspaces irregularly filled in with ochreous-fuscous; an inwardly oblique apical streak, irregularly edged with silvery-white; from its lower extremity proceeds a curved silvery-white narrow fascia to just above tornus; some silvery-white spots along termen; cilia silvery-white, with an ochreous bar at tornus. Hindwings very pale-fuscous; cilia whitish-fuscous, terminal half whitish-ochreous.

Allied to *incongruana*, Walk., but distinct by the silvery markings.

*Hab.*—Queensland: Warra, five specimens, in October.

## TORTRICIDAE.

## TORTRIX EVELEENA, n. sp.

♂, ♀; 20-22 mm. Head, palpi, and thorax ochreous-white, terminal joint of palpi somewhat infuscated. Antennae fuscous. Abdomen ochreous. Anterior and middle legs fuscous, banded with white, posterior pair ochreous-white. Forewings elongate, costa hardly arched, termen oblique, slightly rounded; pale ochreous-white, with purplish-lead coloured markings; three or four small costal dots, between base and anterior edge of median patch; an isosceliform mark on dorsum at one-quarter, reaching about one-third across wing.

three or four short striae on dorsum between this mark and anterior edge of median patch, and one or two similar striae near base; sometimes a few scattered spots above mark; median patch distinct, anterior edge oblique and sharply defined, from costa at one-quarter to dorsum at two-thirds, posterior edge from about middle of costa to dorsum at three-quarters; some black and ferruginous spots irregularly placed on patch: an irregular patch of striae confluent with lower two-thirds of median patch; an elongate spot on costa at three-quarters: an irregular, somewhat rounded patch on middle of termen, more or less continued to tornus, and containing two transverse series of ferruginous-black dots, first series, about five in number, on curve of patch; second series from near apex to tornus, parallel to termen; a blackish line along termen; cilia ferruginous-fuscous, terminal half ochreous. Hindwings bright ochreous; cilia grey-whitish, with a sub-basal ochreous line.

*Hab.*—South Australia: Yatala. Bred freely in November.

*Larva.*—Head shining ochreous-yellow, in earlier stages fuscous. Body cylindrical, pale-green, beneath paler, sparsely clothed with moderately long erect white hairs, dorsal stripe moderately broad, deep-green, lateral stripe pale whitish-ochreous. Legs pale whitish-yellow. The larva is very active when disturbed, feeds on leaves of *Pittosporum phillyraeoides*, pupa in spun-up leaves of plant. Appears to be gregarious.

My brother (Mr. Harold Lower), who discovered the species, tells me that he has never met with it on the wing. I have dedicated this pretty species to my sister-in-law (Mrs. Eveleen Lower), in recognition of her keen interest in entomology.

#### TORTRIX SCIOTA, n. sp.

♀, 18 mm. Head, palpi, antennae, and thorax ferruginous-fuscous, palpi beneath mixed with whitish. Abdomen fuscous. Legs fuscous, tibiae and tarsi obscurely banded with white, posterior pair grey-whitish. Forewings moderate, costa gently arched, termen oblique: light fuscous, minutely reticulated throughout with wavy transverse dot-like lines of darker fuscous; costa between base and median band dull bronze-fuscous; a moderately broad fuscous median band, placed obliquely, reaching from middle of costa to tornus, slightly dilated on lower two-thirds: cilia bronze-fuscous. Hindwings and cilia fuscous, wings spotted with darker.

An obscure-looking insect, but at once recognizable by the single transverse fascia.

*Hab.*—South Australia: Stonyfell, two specimens received from S. Angel.

## EUCOSMIDAE.

## ACROCLITA CATHAROPTIS, n. sp.

♂, 14 mm. Head, palpi, antennae, and thorax dull ferruginous, palpi internally white, apex of basal joint black. Abdomen dull ochreous-fuscous. Legs dark fuscous, anterior and middle pair sometimes suffused with ferruginous. Forewings elongate, costa moderately arched, termen slightly sinuate beneath apex, then somewhat oblique; ferruginous-brown; costa obliquely strigulated with ochreous, interspaces filled in with bright ferruginous, and sometimes edged with dull leaden; an irregular dark fuscous mark on dorsum at one-third, sometimes absent, reaching fold, posterior edge distinct, anterior edge suffused; a fine leaden-metallic line, from last pair costal striae along termen to tornus; a fine fuscous line along termen; cilia ferruginous-brown, with a fuscous bar below apex. Hindwings thinly scaled, fuscous; cilia light-fuscous, with an ochreous-grey basal line and fuscous sub-basal line.

A dull-looking species, but the dorsal patch is generally present.

*Hab.*—Queensland: Cooktown and Kuranda, five specimens from Olive and Dodd.

## ARGYROPLOCE IRROREA, n. sp.

♂, 20 mm. Head, palpi, antennae, and thorax bright ferruginous-ochreous. Abdomen fuscous. Legs ferruginous, tibiae and tarsi irregularly banded with dull ochreous, posterior pair fuscous, whitish-ochreous beneath. Forewings rather broad; costa moderately arched, termen nearly straight; bright rufous-ferruginous, more or less irrorated throughout with dull ochreous-ferruginous spots; costa with five pairs ochreous-ferruginous spots, between base and posterior edge of median band; four more pairs on costa beyond, last one at apex more or less continued along termen and nearly reaching tornus; edges of basal patch and anterior edge of median patch hardly traceable, being merged into general markings, posterior edge of median patch irregularly waved, from costa at about three-fifths to tornus, followed throughout by a dull purplish-metallic line of slightly raised scales; beyond this are seven short black lines, transversely placed, lower three shortest, upper four enclosing spots of ferruginous and purplish-metallic respectively; a somewhat raised line of purplish-metallic scales, commencing from base of eighth costal pair of spots along termen to above tornus; a well-marked ochreous spot above middle of wing, just before posterior edge of median patch; a similar, much larger, but

suffused double spot on fold before middle: cilia ochreous-ferruginous, mixed with fuscous, and with a darker ferruginous basal line. Hindwings dark fuscous; cilia pale reddish, becoming fuscous from middle of termen to tornus, and with a darker sub-basal line.

*Hab.*—Queensland: Cairns district, three specimens from F. P. Dodd.

## TINEINA.

### OECOPHORIDAE.

#### EULECHRIA HEMICHRYSIA, n. sp.

♂, ♀; 23, 25 mm. Head, palpi, antennae, and thorax dark fuscous. Abdomen dull ochreous, more or less infuscated. Anterior and middle legs dark fuscous, posterior pair orange-yellow. Forewings elongate, moderate, costa gently arched, termen obliquely rounded; dark fuscous, with hardly traceable darker markings; two dots, placed obliquely, just beyond one-quarter, above fold; two similarly placed at posterior end of cell; three or four others scattered in disc, sometimes absent; a more or less interrupted blackish line along termen; cilia fuscous, with an obscure row of blackish points at base. Hindwings elongate-ovate, termen rounded; orange; a fine fuscous line on posterior edge of costa, continued around apex to near middle of termen; cilia dark fuscous. Very distinct by the orange hindwings.

*Hab.*—Queensland: Warra and Mackay, ten specimens, probably in October.

#### TRACHYPEPLA LASIOCEPHALA, n. sp.

♂, 14 mm. Head white. Palpi white, externally dark fuscous, with a broad white band at apex of first joint. Thorax white, anteriorly fuscous, patagia white. Antennae fuscous, annulated beneath with white. Abdomen silver-grey. Legs white, banded with fuscous, posterior pair grey-whitish. Forewings elongate, moderate, costa gently arched, termen obliquely rounded; dark fuscous, finely irrorated with grey-whitish and black; a large white, somewhat trapezoidal patch, extending from base to just beyond middle and occupying upper five-sixths of wing; a small black basal streak; a somewhat triangular-shaped patch on dorsum before tornus, reaching half across wing and surmounted by a small black dot; a small black dot immediately above this on costa; cilia white, mixed with some blackish scales. Hindwings and cilia pale fuscous.

*Hab.*—Queensland: Warra, in September, several specimens.

PLUTELLIDAE.

SAGALASSA BASICHRYSA, n. sp.

♂, 16 mm. Head, palpi, antennae, and thorax fleshy-brown. Abdomen dark fuscous, annulated with ochreous. Legs fuscous, annulated with ochreous. Forewings elongate, moderate, costa hardly arched, nearly straight, termen obliquely rounded; fleshy-white on basal half, rest of wing fleshy-brown, more or less finely irrorated with fuscous; a broad chocolate transverse band, edges straight, from middle of costa to dorsum just before middle, narrowest on costa; a narrow line of fleshy-white, parallel and immediately following; an irregular fuscous blotch on costa at three-quarters: a suffused inwardly oblique fuscous mark from tornus, reaching to above fold, upper portion blackish, and followed by two small flesh-coloured dots; a suffused fuscous patch along termen, obscurely separated from tornal patch by ground-colour, and containing a small dull ochreous spot near apex; cilia fuscous, with a blackish sub-basal line. Hindwings dark-fuscous; a moderately broad median transverse orange band, edges irregular, narrowed on termen: cilia dull orange. Underside of forewing with an orange transverse fascia, from beyond middle of costa, where it is narrowest, to fold, with a projection outwards in middle; an elongate orange streak along cell.

*Hab.*—Queensland: Kuranda, seven specimens from F. P. Dodd.

TINEIDAE.

COMODICA DOCHMOGRAMMA, n. sp.

♂, 12 mm. Head whitish-fuscous. Palpi and thorax fuscous, palpi white internally. Antennae whitish. Abdomen fuscous-grey. Legs whitish, posterior pair faintly tinged with fuscous. Forewings elongate, apex pointed: whitish, with dull ochreous markings; a tolerably thick longitudinal streak, commencing at base of costa, continued along fold and ending at anal angle, posterior half beneath edged with fuscous; two very outwardly oblique costal streaks, first from just beyond one-third, somewhat suffused, hardly reaching longitudinal streak; second from three-fifths to anal angle, followed on upper edge by a fine parallel line; a well-marked blackish dot at apex: a thick irregular ochreous-fuscous dorsal streak, interrupted by four nearly equidistant spots of

ground-colour, which are edged anteriorly with short streaks of dark fuscous: an elongate streak of ground-colour at posterior extremity of dorsal streak; cilia whitish, faintly mixed with ochreous. Hindwings lanceolate; dark fuscous; cilia fuscous, with a whitish basal line.

*Hab.*—Queensland: Kuranda, three specimens from F. P. Dodd.

CHRYSONOMA (?) MACULIFERA, n. sp.

♂, 14 mm. Head and thorax white. Palpi white, basal joint with a fuscous subapical spot internally. Antennae whitish, obscurely annulated with fuscous, basal joint white. Abdomen whitish-grey. Legs grey. Forewings elongate, moderate, costa gently arched, termen oblique: white, minutely irrorated with fuscous, and with blackish markings; a dot on costa immediately beyond base; a second, obscure, on costa at one-quarter; a third, distinct, on costa at about three-fifths; a spot in disc, obliquely below last costal spot; sometimes a small spot on dorsum, close to base; an irregular, suffused row of obscure dots along termen and apical fourth of costa; cilia grey-whitish. Hindwings and cilia whitish-grey, cilia with an ochreous basal line.

*Hab.*—Queensland: Cairns district, three specimens from F. P. Dodd.

GELECHIADAE.

ARISTOTELIA HEMISARCA, n. sp.

♂, ♀; 16 mm. Head and palpi fleshy-white, basal joint of palpi beneath with obscure ochreous bands, terminal joint with black subapical ring. Antennae fuscous, annulated with white. Thorax fuscous, lighter anteriorly. Abdomen ochreous-grey. Legs pale ochreous-grey, all tibiae and tarsi banded with fuscous. Forewings narrow, elongate, apex acute: dull fuscous: markings obscure; a moderately broad outwardly oblique transverse whitish-ochreous fascia, from costa at one-sixth to dorsum at one-fifth, where it becomes confluent with a moderate ochreous-whitish dorsal streak, somewhat suffused, from near base to tornus; an obscurely-edged ochreous-whitish transverse fascia, from costa at five-sixths to tornus, separated from dorsal streak by a patch of ground-colour: four or five quadrate spots of ochreous-white on costa, between posterior edge of previous fascia and apex, separated by similar-sized spots of ground-colour; cilia greyish-ochreous, with fuscous basal and median lines. Hindwings elongate-ovate, apex acute: pale greyish; cilia whitish, tinged with ochreous.

Mr. Meyrick, to whom this and several other species included in this paper were submitted, expresses the opinion that this species partakes more of the American and European forms than Australian.

*Hab.*—New South Wales: Broken Hill, not uncommon in March and April.

CROCANTHES TRIZONA, n. sp.

♂, 10 mm. Head, palpi, antennae, and thorax pale yellowish-white, antennae annulated with fuscous. Abdomen and legs paler yellowish-white. Forewings pale yellowish-white, with fuscous markings; three narrow transverse fasciae, first two somewhat dot-like, first from costa at one-sixth, second from costa about one-third, both continued obscurely to dorsum; third slightly inwards curved, from costa at four-fifths to dorsum at four-fifths; a lunate mark, transversely placed, above middle, just before third fascia; cilia yellowish-white, terminal half ferruginous. Hindwings thinly scaled; greyish-white; cilia yellowish-white.

*Hab.*—Queensland: Cooktown and Kuranda, four specimens from Olive and Dodd.

COSMOPTERYGIDAE.

COSMOPTERYX CUPREA, n. sp.

♂, 8-10 mm. Head fuscous, face metallic-coppery. Thorax dark fuscous. Palpi and antennae fuscous. Abdomen dull coppery-fuscous. Legs dark fuscous; tibiae and tarsi obscurely ringed with whitish. Forewings very narrow, apex pointed; a black basal patch occupying one-third of wing, and containing several very fine longitudinal streaks of metallic-blue; median third of wing orange, anterior edge separated from basal patch by a moderate transverse fascia of golden metallic; a small golden-metallic dorsal spot, finely edged with black, just before tornus; ground-colour between this and termen blackish; a small golden-metallic costal spot at four-fifths; cilia blackish, with a few golden-metallic scales. Hindwings linear fuscous; cilia fuscous, paler on basal half.

*Hab.*—Queensland: Kuranda, four specimens, taken in October, received from F. P. Dodd.

COSMOPTERYX (?) CYANOSTICTA, n. sp.

♂, 10 mm. Head, thorax, antennae, and abdomen black. Palpi fuscous, basal joint whitish beneath. Legs fuscous, posterior tibiae ringed obscurely with whitish.

Forewings elongate, apex pointed; black, with metallic-blue markings; a narrow line, from dorsum at one-third to middle of wing, curved inwards at extremity; a well-marked spot on costa in middle; a second, similar, just before apex, paler than last; two transverse spots, upper smaller, in middle of wing at two-thirds from base, almost midway between the two costal spots; a small spot on dorsum before anal angle; cilia fuscous, becoming black on basal half. Hindwings lanceolate; blackish; cilia blackish.

*Hab.*—Queensland: Cairns district, three specimens from F. P. Dodd.

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